FIG.1

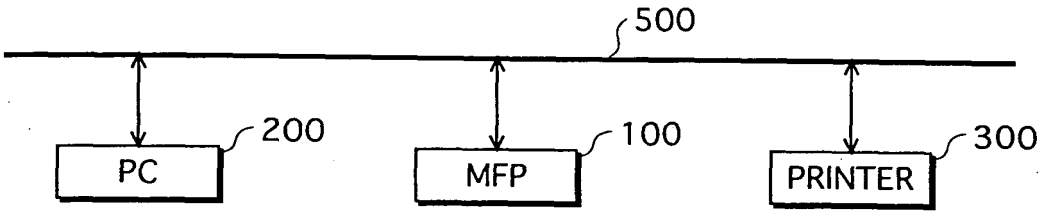


FIG.2

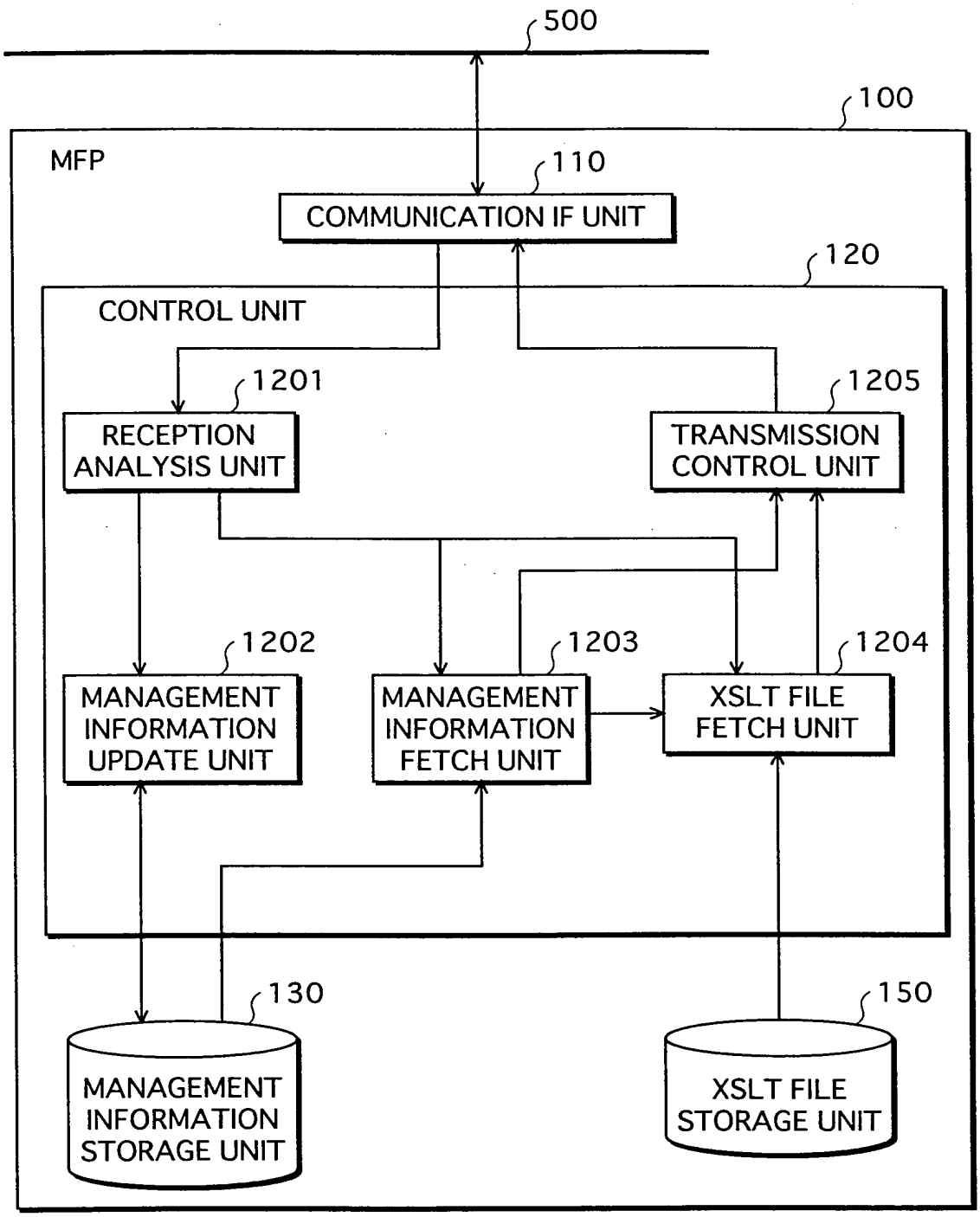

500
100
MFP
110
COMMUNICATION IF UNIT
120
CONTROL UNIT
1201
RECEPTION ANALYSIS UNIT
1205
TRANSMISSION CONTROL UNIT
1202
MANAGEMENT INFORMATION UPDATE UNIT
1203
MANAGEMENT INFORMATION FETCH UNIT
1204
XSLT FILE FETCH UNIT
130
MANAGEMENT INFORMATION STORAGE UNIT
150
XSLT FILE STORAGE UNIT

FIG.3

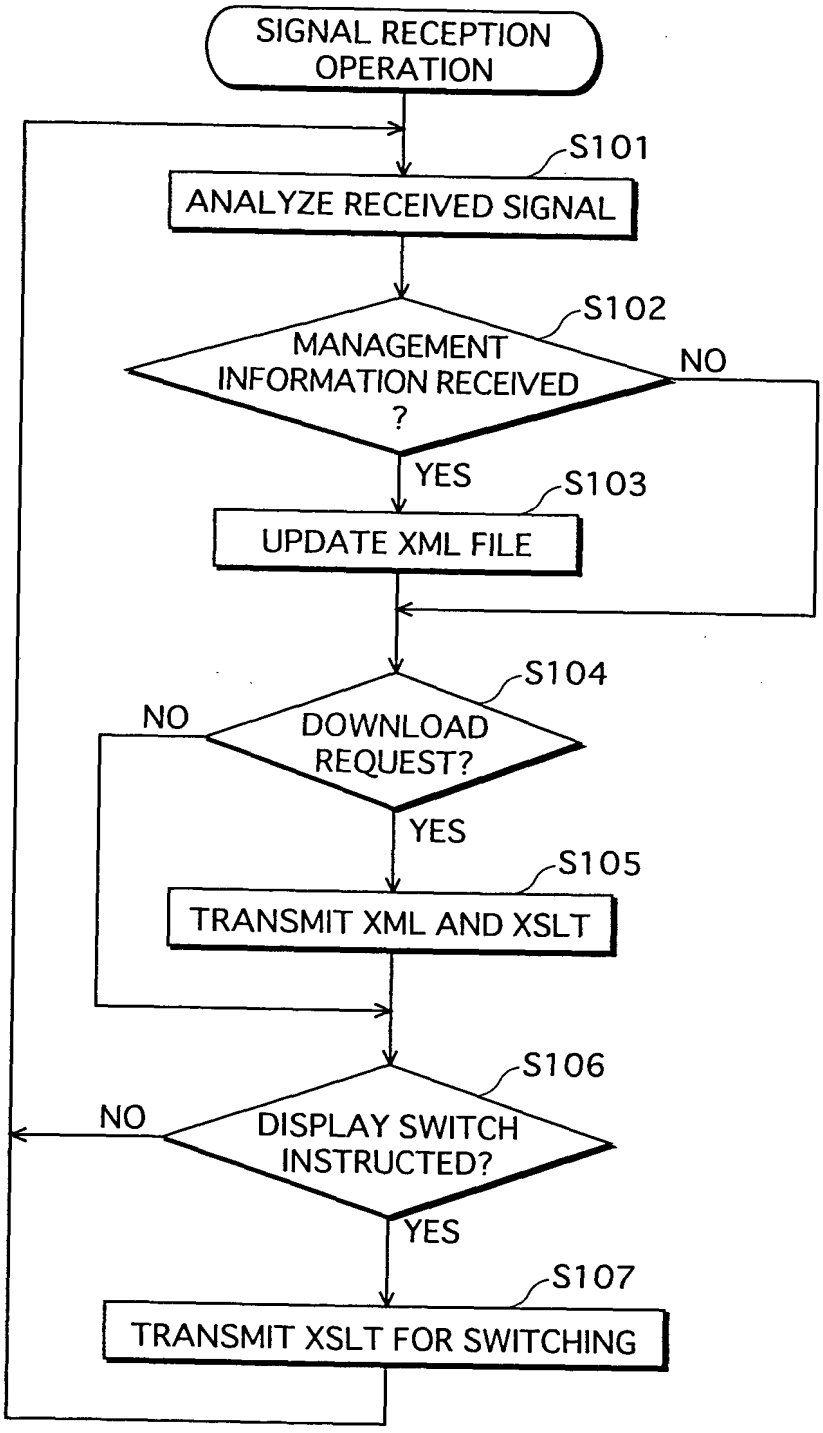

SIGNAL RECEPTION OPERATION
S101
ANALYZE RECEIVED SIGNAL
S102
MANAGEMENT INFORMATION RECEIVED ?
NO
YES
S103
UPDATE XML FILE
S104
NO
DOWNLOAD REQUEST?
YES
S105
TRANSMIT XML AND XSLT
S106
NO
DISPLAY SWITCH INSTRUCTED?
YES
S107
TRANSMIT XSLT FOR SWITCHING

FIG.4A

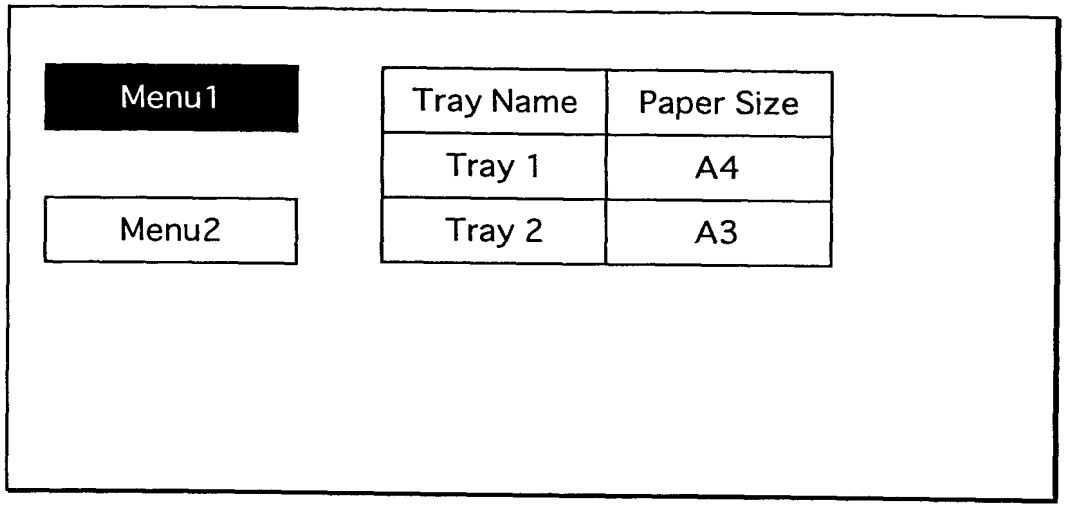

Menu1
Menu2
Tray Name
Paper Size
Tray 1
A4
Tray 2
A3

FIG.4B

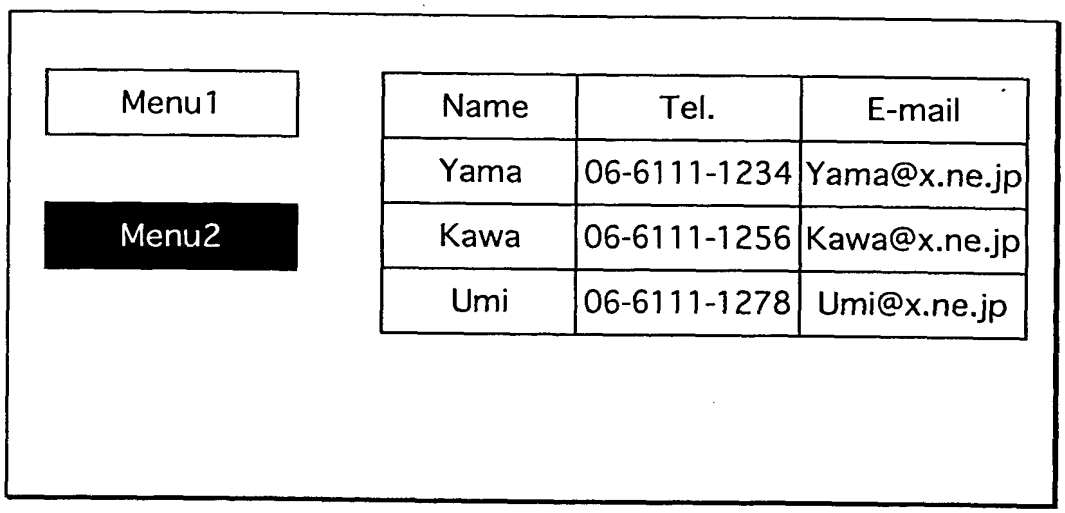

Menu1
Menu2
Name
Tel.
E-mail
Yama
06-6111-1234
Yama@x.ne.jp
Kawa
06-6111-1256
Kawa@x.ne.jp
Umi
06-6111-1278
Umi@x.ne.jp

FIG.5

```
<?xml version="1.0"  encoding="UTF-8"?>
 <xsl-stylesheet  href="MENU1.XSL"  type="text/xsl"?>
    <MFP>
        <InputTray>
            <Tray>
                <Name>Tray 1 </Name>
                <Paper Size> A 4 </Paper Size>
            </Tray>
            <Tray>
                <Name>Tray 2 </Name>
                <Paper Size> A 3 </Paper Size>
            </Tray>
        </InputTray>
        <Address>
            <Person>
                <Name>Yama</Name>
                <Tel>06-6111-1234</Tel>
                <E-mail>Yama@x.ne.jp</E-mail>
            </Person>
            <Person>
                <Name>Kawa</Name>
                <Tel>06-6111-1256</Tel>
                <E-mail>Kawa@x.ne.jp</E-mail>
            </Person>
            <Person>
                <Name>Umi</Name>
                <Tel>06-6111-1278</Tel>
                <E-mail>Umi@x.ne.jp</E-mail>
            </Person>
        </Address>
    </MFP>
```

FIG.6

```
<?xml version="1.0"  encoding="UTF-8"?>
<xsl:stylesheet  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:template match="/MFP">
<HTML>
    <HEAD>
    <script type="text/JavaScript">
    <xsl:comment>
    <![CDATA[
      function SET(){
          var objS=new ActiveXObject("Microsoft.XMLDOM");
          objS.async=false;
          objS.load("MENU2.XSL") ——————→ ①
          document.getElementById(ID).innerHTML=objDoc.transformNode(objS);
          }
          ]]>
    </xsl:comment>
    </script>
    </HEAD>
    <BODY>
        <TABLE>
          <TR><TD>
           <input type="button" value="Menu 1 "/>
           <input type="button" value="Menu 2 "  onclick="SET"/>
          </TR></TD>
        </TABLE>
        <TABLE id="TrayTable">
          <TR>
           <TD>Tray</TD>
           <TD>Paper Size</TD>
          </TR>
          <TR>
           <TD><xsl:value-of select=" InputTray/Tray/Name"/></TD>
           <TD><xsl:value-of select=" InputTray/Tray/Paper Size"/></TD>
          </TR>
        </TABLE>
    </BODY>
</HTML>
</xsl:template>
```

FIG.7

```
<?xml version="1.0"  encoding="UTF-8"?>
<xsl:stylesheet  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:template match"/MFP">
<HTML>
      <BODY>
            <TR>
             <TD>Name</TD>
             <TD>Tel</TD>
             <TD>E-mail</TD>
            </TR>
            <TR>
             <TD><xsl:value-of select=" Address/Person/Name"/></TD>
             <TD><xsl:value-of select=" Address/Person/Tel"/></TD>
             <TD><xsl:value-of select=" Address/Person/E-mail"/></TD>
            </TR>
          </TABLE>
      </BODY>
</HTML>
</xsl:template>
```

FIG.8

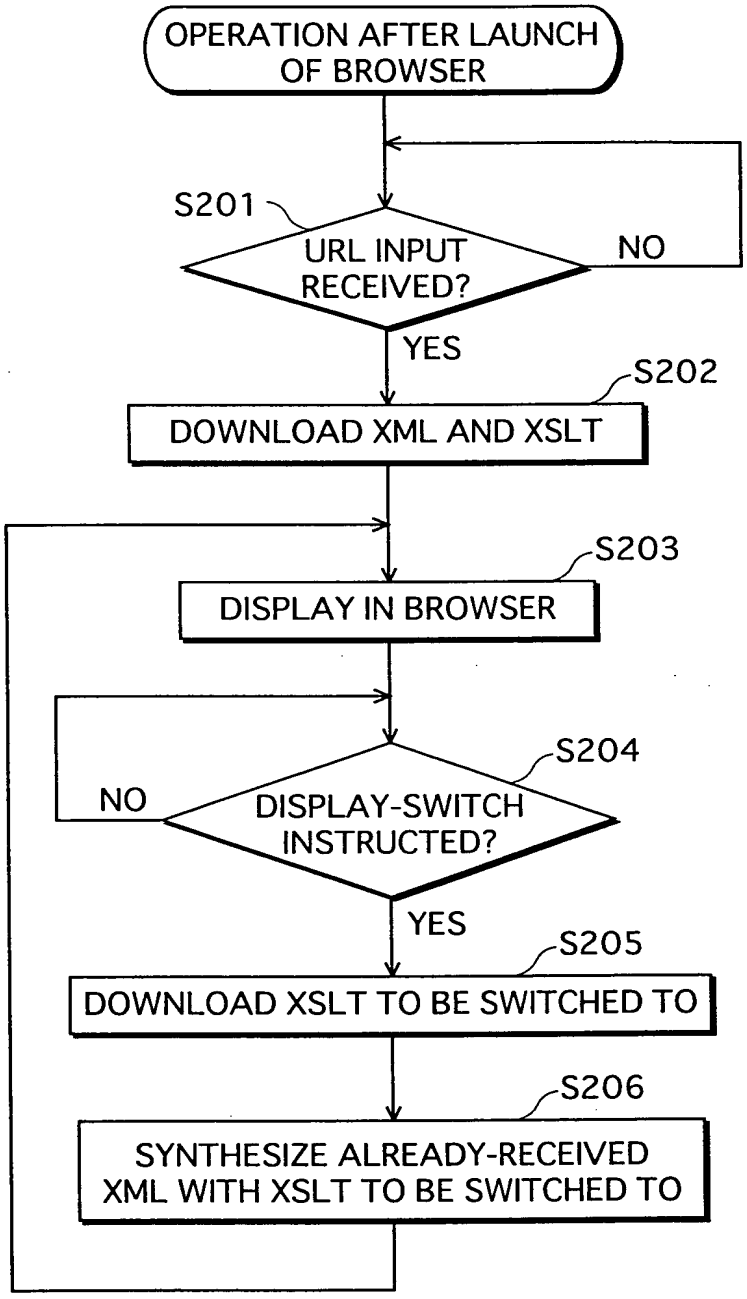

OPERATION AFTER LAUNCH OF BROWSER
S201
URL INPUT RECEIVED?
NO
YES
S202
DOWNLOAD XML AND XSLT
S203
DISPLAY IN BROWSER
S204
NO
DISPLAY-SWITCH INSTRUCTED?
YES
S205
DOWNLOAD XSLT TO BE SWITCHED TO
S206
SYNTHESIZE ALREADY-RECEIVED XML WITH XSLT TO BE SWITCHED TO

FIG.9

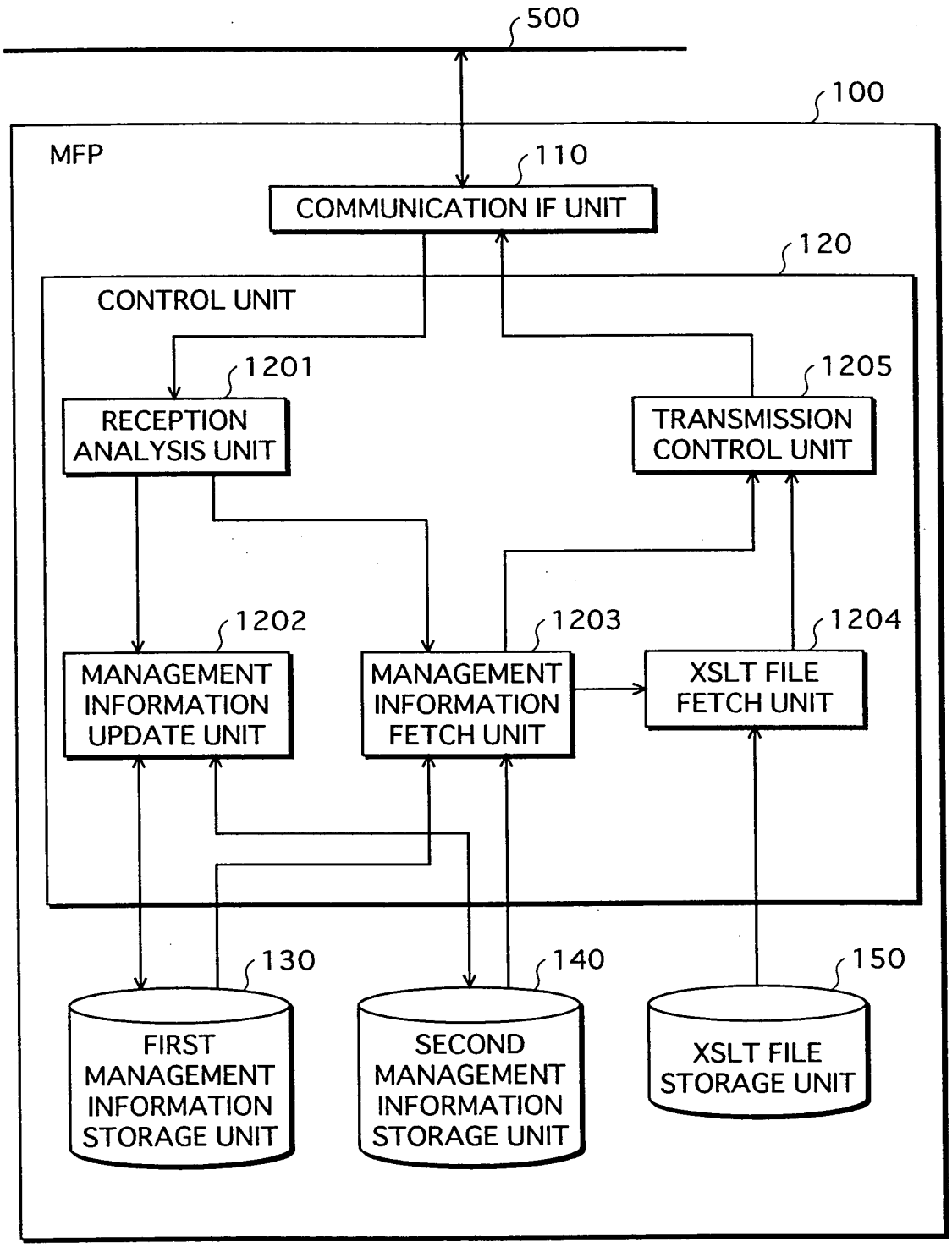

500
100
MFP
110
COMMUNICATION IF UNIT
120
CONTROL UNIT
1201
RECEPTION ANALYSIS UNIT
1205
TRANSMISSION CONTROL UNIT
1202
MANAGEMENT INFORMATION UPDATE UNIT
1203
MANAGEMENT INFORMATION FETCH UNIT
1204
XSLT FILE FETCH UNIT
130
FIRST MANAGEMENT INFORMATION STORAGE UNIT
140
SECOND MANAGEMENT INFORMATION STORAGE UNIT
150
XSLT FILE STORAGE UNIT

FIG.10

```
<?xml version="1.0"  encoding="UTF-8"?>
<xsl:stylesheet  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  version="1.0"
        xmlns:xlink="http://www.w3.org/1999/xlink">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:template match="/">
<HTML LANG="ja">
<BODY>
    <TABLE>
        <TR>
         <TD>Original Size</TD>
          <TD>
          <select>
          <xsl:for-each select="document('parameter.xml')//Original Size/item">
            <option>
            <xsl:if test="self::node()=document('setparm.xml')//Original Size">
                <xsl:attribute name="selcted">selected</xsl:attribute>
            </xsl:if>
                <xsl:value-of select="."/>
            </option>
          </select>
          </TD>
        </TR>
        <TR>
         <TD>Resolution</TD>
          <TD>
          <select>
          <xsl:for-each select="document('parameter.xml')//Resolution/item">
           <option>
           <xsl:if test="self::node()=document('setparm.xml')//Resolution">
                <xsl:attribute name="selcted">selected</xsl:attribute>
           </xsl:if>
                <xsl:value-of select="."/>
           </option>
         </select>
         </TD>
       </TR>
</TABLE>
</BODY>
</HTML>
</xsl:template>
</xsl:stylesheet>
```

FIG.11

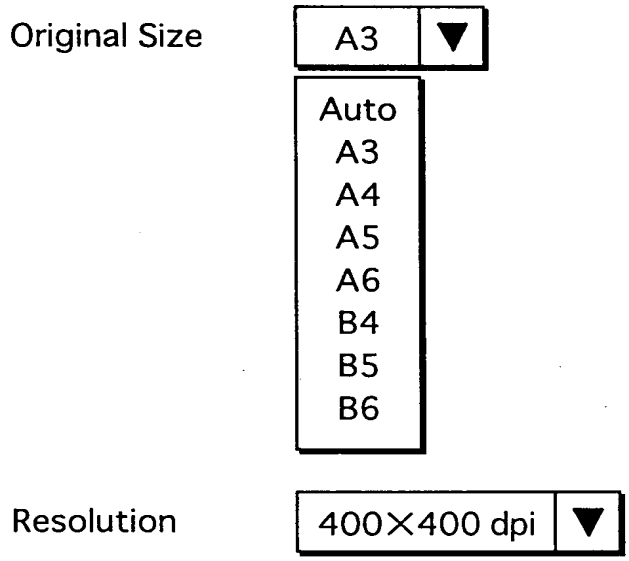

Original Size
A3
Auto
A3
A4
A5
A6
B4
B5
B6
Resolution
400×400 dpi

FIG.12A

```
<?xml version="1.0"  encoding="UTF-8"?>
<xsl-stylesheet  href="MENU1.XSL"  type="text/xsl"?>
<MFP>
    <Original Size>A3</Original Size>
    <Resolution>400×400dpi</Resolution>
</MFP>
```

FIG.12B

```
<?xml version="1.0"  encoding="UTF-8"?>
<Parameter>
      <Original Size>
          <item>Auto</item>
          <item>A3</item>
          <item>A4</item>
          <item>A5</item>
          <item>A6</item>
          <item>B4</item>
          <item>B5</item>
          <item>B6</item>
      </Original Size>
      <Resolution>
          <item>200×200dpi</item>
          <item>300×300dpi</item>
          <item>400×400dpi</item>
          <item>600×600dpi</item>
      </Resolution>
</Parameter>
```

FIG.13

```
<MFP>
  <PCL>
      <Font>
            <Name>Courier</Name>
            <Type>True</Type>
      </Font>
      <Font>
            <Name>CG Times</Name>
            <Type>True</Type>
      </Font>
      <Font>
            <Name>CG Times Bold</Name>
            <Type>True</Type>
      </Font>
          .
          .
          .
  </PCL>
</MFP>
```

FIG.14A

```
<MFP>
    <AutoClear>ON</AutoClear>
    <SleepMode>OFF</SleepMode>
    <PageDivision>Yes</PageDivision>
</MFP>
```

FIG.14B

```
<MFP>
    <ON>
        <item>ON</item>
        <item>OFF</item>
    </ON>
    <Yes>
        <item>Yes</item>
        <item>No</item>
    </Yes>
    <Enable>
        <item>Enable</item>
        <item>Disable</item>
    </Enable>
</MFP>
```

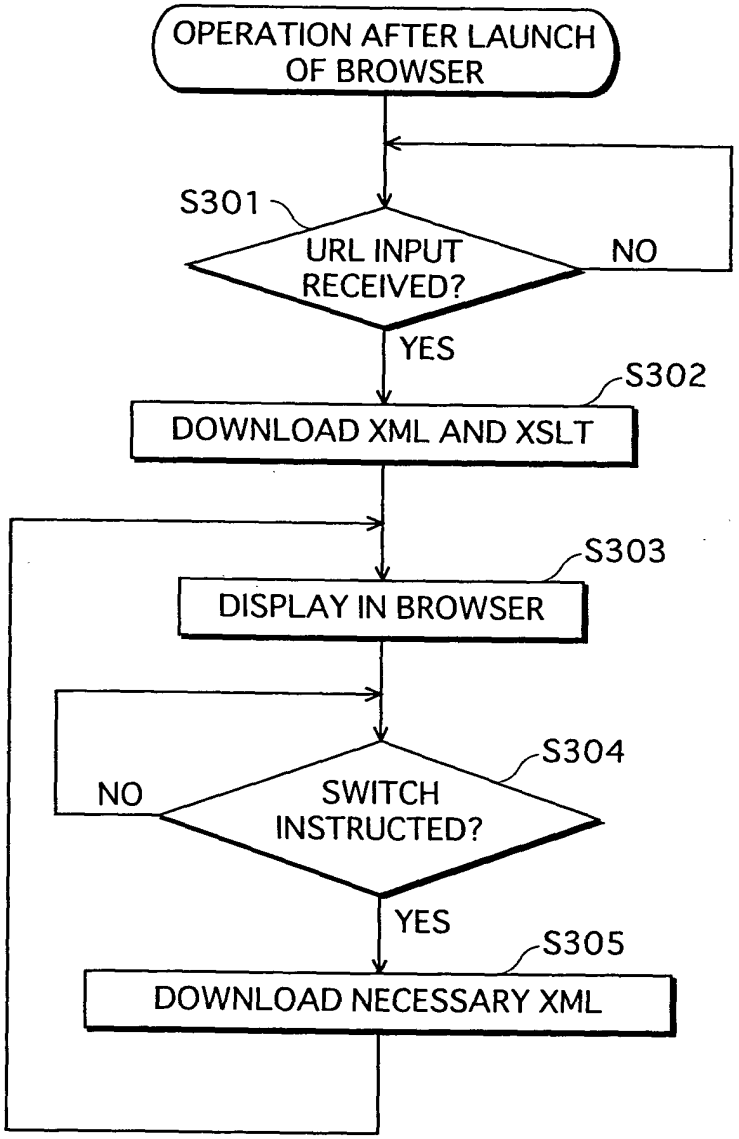
FIG.15A

```
<MFP>
    <Resolution>
        <item>200X200 dpi</item>
        <item>300X300 dpi</item>
        <item>400X400 dpi</item>
    </Resolution>
    <File Format>
        <item>PDF</item>
    </File Format>
</MFP>
```

FIG.15B

```
<MFP>
    <Resolution>
        <item>200X200 dpi</item>
        <item>300X300 dpi</item>
        <item>400X400 dpi</item>
        <item>600X600 dpi</item>
    </Resolution>
    <File Format>
        <item>PDF</item>
        <item>TIFF</item>
        <item>JPEG</item>
    </File Format>
</MFP>
```

FIG.16


OPERATION AFTER LAUNCH OF BROWSER
S301
URL INPUT RECEIVED?
NO
YES
S302
DOWNLOAD XML AND XSLT
S303
DISPLAY IN BROWSER
S304
NO
SWITCH INSTRUCTED?
YES
S305
DOWNLOAD NECESSARY XML